

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "**Al/AIO_x/Al RESISTOR PROCESS FOR INTEGRATED CIRCUITS**", the specification of which (check one): (X) is attached hereto; () was filed on _____, as Application Serial No. and was amended on _____ (if applicable); () was filed as PCT International Application No. _____ on _____ and was amended under Article 19 on _____ (if applicable). I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

			Priority Claimed	
(Application Serial Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>
(Application Serial Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

(Application Serial Number)	(Month/Day/Year Filed)
-----------------------------	------------------------

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

(Application Serial Number)	(Month/Day/Year Filed)	(Status-Patented, Pending or Abandoned)
(Application Serial Number)	(Month/Day/Year Filed)	(Status-Patented, Pending or Abandoned)

*Not yet assigned, entitled _____ by _____ (Inventor)

Declaration for Patent Application

Attorney Docket No. 12-1054

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Send correspondence to:

FIRM NAME	PHONE NO.	STREET	CITY & STATE	ZIP CODE
Katten Muchin Zavis Rosenman Attn: Patent Administrator	312-902-5200	525 West Monroe Street, Suite 1600	Chicago, Illinois	60661-3693

Declaration for Patent Application

Attorney Docket No. 12-1054

Full Name of First or Sole Inventor James Matthew Murdock	Citizenship U.S.A.
Residence Address - Street 9805 Caitlins Court	Post Office Address - Street (Same)
City (Zip) Ellicott 21042	City (Zip)
State or Country Maryland	State or Country
Date <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/>

Full Name of First or Sole Inventor Arnold Herbert Silver	Citizenship U.S.A.
Residence Address - Street 6670 Eddington Drive	Post Office Address - Street (Same)
City (Zip) Rancho Palos Verdes 90275	City (Zip)
State or Country California	State or Country
Date <input checked="" type="checkbox"/> Aug 15, 2003	Signature <input checked="" type="checkbox"/> Arnold H. Silver

Full Name of First or Sole Inventor	Citizenship
Residence Address - Street	Post Office Address - Street
City (Zip)	City (Zip)
State or Country	State or Country
Date <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/>

Declaration for Patent Application

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APPLICABLE RULES AND STATUTES

37 CFR 1.56. DUTY OF DISCLOSURE - INFORMATION MATERIAL TO PATENTABILITY (Applicable Portion)

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentability defines, to make sure that any material information contained therein is disclosed to the Office.

Information relating to the following factual situations enumerated in 35 USC 102 and 103 may be considered material under 37 CFR 1.56(a).

35 U.S.C. 102. CONDITIONS FOR PATENTABILITY: NOVELTY AND LOSS OF RIGHT TO PATENT

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent, or
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
(c) he has abandoned the invention, or
(d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraph (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
(f) he did not himself invent the subject matter sought to be patented, or
(g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

35 U.S.C. 103. CONDITIONS FOR PATENTABILITY; NON-OBVIOUS SUBJECT MATTER (Applicable Portion)

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

35 U.S.C. 112. SPECIFICATION (Applicable Portion)

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

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		Priority Claimed		
(Application Serial Number)	(Country)	(Month/Day/Year Filed)	Yes	No
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(Inventor)

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Declaration for Patent Application

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Residence Address - Street 9805 Caitlins Court	Post Office Address - Street (Same)
City (Zip) Ellicott 21042	City (Zip)
State or Country Maryland	State or Country
Date <input checked="" type="checkbox"/> 9/12/03	Signature <input checked="" type="checkbox"/> <i>James M Murdoch</i>

Full Name of First or Sole Inventor Arnold Herbert Silver	Citizenship U.S.A.
Residence Address - Street 6670 Eddinghill Drive	Post Office Address - Street (Same)
City (Zip) Rancho Palos Verdes 90275	City (Zip)
State or Country California	State or Country
Date <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/>

Full Name of First or Sole Inventor	Citizenship
Residence Address - Street	Post Office Address - Street
City (Zip)	City (Zip)
State or Country	State or Country
Date <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/>

D clariati n for Pat ent Application

Attorney Docket No. 12-1054

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- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraph (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: James Matthew Murduck, et al.

Application No.: Herewith

Filing Date: Herewith

Title: Al/AlO_x/Al RESISTOR PROCESS
FOR INTEGRATED CIRCUITS

Group Art Unit: not assigned

Examiner: not assigned

Customer No.: 27160

) CERTIFICATE OF MAILING BY "EXPRESS MAIL"

) "Express Mail" Mailing Label Number

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) on the date indicated above and is

) addressed to:

) Mail Stop Patent Application

) Commissioner for Patents

) P.O. Box 1450

) Alexandria, VA 22313-1450

Maria Arreola-Flores

(Typed or printed name of person mailing)

Maria Arreola-Flores

(Signature of person mailing)

Power of Attorney by Assignee of the Entire Interest

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Revoking any and all powers of attorney and authorizations of agent heretofore made in respect to this application, the Assignee of this application hereby appoints the practitioners associated with the following attorneys as its attorneys, Customer No. 27160 with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and requests that all correspondence with respect to this application be directed to Patent Administrator, KATTEN MUCHIN ZAVIS ROSENMAN, 525 West Monroe Street, Suite 1600, Chicago, Illinois 60661. All telephone calls should be directed to (312) 902-5312.

Timothy J. Vezeau	26,348	Scott M. Gettleson	38,158
John S. Paniaguas	31,051	James A. Gromada	44,727
Richard P. Bauer	31,588	Dawn C. Hayes	44,751
Gilberto M. Villacorta	34,038	Michael A. Dorfman	46,669
David W. Clough	36,107	Teddy C. Scott, Jr.	53,573
Martin T. LeFevour	37,378	Andrew J. Bateman	45,573
Robert W. Hahl	33,893	Robert R. Seabold	41,298
Serge Sira	39,445		

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.
A Certificate under 37 CFR § 3.73(b) is filed herewith.

Northrop Grumman Corporation

Date: 7/30/03
Name: Kathleen M. Salmas

Title: Assistant Secretary for Northrop Grumman Corporation

Signature: Kathleen M. Salmas